

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	11-DEC-2010
Start Time of First Product	00:00:31
Stop Time of Last Product	22:58:44
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_101211CMEP2522.E2	11-DEC-2010	04:08:03.612
EGOI_101211CMEP2530.E2	11-DEC-2010	16:28:56.212
EGOI_101211HLEP8680.E2	11-DEC-2010	00:00:30.575
EGOI_101211HLEP8695.E2	11-DEC-2010	21:55:35.736
EGOI_101211KSEP6846.E2	11-DEC-2010	06:13:41.891
EGOI_101211KSEP6873.E2	11-DEC-2010	07:53:32.014
EGOI_101211KSEP6899.E2	11-DEC-2010	09:33:10.131
EGOI_101211KSEP6930.E2	11-DEC-2010	11:12:46.747
EGOI_101211KSEP6959.E2	11-DEC-2010	12:52:00.863

EGOI_101211KSEP6969.E2	11-DEC-2010	14:30:52.479
EGOI_101211KSEP6995.E2	11-DEC-2010	16:08:35.087
EGOI_101211KSEP7024.E2	11-DEC-2010	17:46:37.191
EGOI_101211KSEP7056.E2	11-DEC-2010	19:24:46.803
EGOI_101211KSEP7087.E2	11-DEC-2010	21:04:35.422
EGOI_101211KSEP7113.E2	11-DEC-2010	22:47:36.062
EGOI_101211MAEP0754.E2	11-DEC-2010	09:40:50.676
EGOI_101211MIEP7529.E2	11-DEC-2010	02:28:56.997
EGOI_101211MIEP7557.E2	11-DEC-2010	04:08:02.112
EGOI_101211MIEP7582.E2	11-DEC-2010	14:49:13.588
EGOI_101211MIEP7611.E2	11-DEC-2010	16:27:12.705
EGOI_101211MSEP9571.E2	11-DEC-2010	00:48:09.874
EGOI_101211MSEP9591.E2	11-DEC-2010	11:25:49.834
EGOI_101211MSEP9615.E2	11-DEC-2010	13:06:29.454
EGOI_101211MSEP9649.E2	11-DEC-2010	22:34:44.984
EGOI_101211SGEP0065.E2	11-DEC-2010	03:10:10.755
EGOI_101211SGEP0072.E2	11-DEC-2010	04:50:33.878
EGOI_101211SGEP0078.E2	11-DEC-2010	14:07:47.834
EGOI_101211SGEP0085.E2	11-DEC-2010	15:44:36.434

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	81780	11-DEC-2010	06:12:03.221	06:13:41.891	98.670000
KS	81781	11-DEC-2010	07:51:01.019	07:53:32.013	150.99400
KS	81782	11-DEC-2010	09:30:36.902	09:33:10.131	153.22900
KS	81783	11-DEC-2010	11:10:11.470	11:12:46.746	155.27600
KS	81784	11-DEC-2010	12:49:27.008	12:52:00.862	153.85400
KS	81785	11-DEC-2010	14:28:14.105	14:30:52.478	158.37300
KS	81786	11-DEC-2010	16:05:58.071	16:08:35.086	157.01500
KS	81787	11-DEC-2010	17:43:53.574	17:46:37.191	163.61700
KS	81788	11-DEC-2010	19:22:19.838	19:24:46.803	146.96500
KS	81789	11-DEC-2010	21:02:32.369	21:04:35.421	123.05200
KS	81790	11-DEC-2010	22:45:00.916	22:47:36.062	155.14600
MS	81777	11-DEC-2010	00:46:29.063	00:48:09.873	100.81000
MS	81783	11-DEC-2010	11:23:09.473	11:25:49.834	160.36100
MS	81784	11-DEC-2010	13:03:45.603	13:06:29.454	163.85100
MS	81790	11-DEC-2010	22:32:45.338	22:34:44.984	119.64600
MA	81782	11-DEC-2010	09:38:41.234	09:40:50.675	129.44100
MI	81778	11-DEC-2010	02:26:35.742	02:28:56.996	141.25400

MI	81779	11-DEC-2010	04:04:52.997	04:08:02.111	189.11400
MI	81785	11-DEC-2010	14:46:51.744	14:49:13.587	141.84300
MI	81786	11-DEC-2010	16:24:45.079	16:27:12.704	147.62500
SG	81778	11-DEC-2010	03:07:12.532	03:10:10.755	178.22300
SG	81779	11-DEC-2010	04:48:36.261	04:50:33.877	117.61600
SG	81784	11-DEC-2010	14:05:37.347	14:07:47.833	130.48600
SG	81785	11-DEC-2010	15:41:52.821	15:44:36.433	163.61200
SG	81785	11-DEC-2010	15:54:14.000	15:55:36.398	82.398000
CM	81786	11-DEC-2010	16:27:25.740	16:28:56.212	90.472000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	81776	10-DEC-2010	23:57:58.439	00:12:29.489	871.05000
MM	81776	11-DEC-2010	00:08:57.291	00:20:18.730	681.43900
HO	81777	11-DEC-2010	01:39:30.673	01:50:39.869	669.19600
MM	81777	11-DEC-2010	01:51:06.424	02:00:33.887	567.46300
GS	81777	11-DEC-2010	00:54:01.938	01:03:16.668	554.73000
BE	81778	11-DEC-2010	02:56:02.124	03:09:26.615	804.49100
MM	81778	11-DEC-2010	03:34:05.234	03:41:11.391	426.15700
GS	81778	11-DEC-2010	02:30:09.870	02:43:53.716	823.84600
CM	81778	11-DEC-2010	04:03:27.296	04:15:52.517	745.22100
BE	81779	11-DEC-2010	04:36:28.900	04:46:25.029	596.12900
MM	81779	11-DEC-2010	05:16:55.920	05:22:42.338	346.41800
GS	81779	11-DEC-2010	04:10:51.571	04:22:43.785	712.21400
MM	81780	11-DEC-2010	06:58:30.314	07:05:30.701	420.38700
JO	81780	11-DEC-2010	06:39:43.887	06:49:24.343	580.45600
MM	81781	11-DEC-2010	08:39:09.103	08:48:30.582	561.47900
MA	81781	11-DEC-2010	08:01:42.969	08:10:09.418	506.44900
JO	81781	11-DEC-2010	08:15:39.813	08:30:41.485	901.67200
MM	81782	11-DEC-2010	10:19:24.781	10:30:42.285	677.50400
MM	81783	11-DEC-2010	11:59:26.422	12:11:49.387	742.96500
MA	81783	11-DEC-2010	11:19:35.234	11:28:08.898	513.66400
MM	81784	11-DEC-2010	13:39:14.213	13:51:57.818	763.60500
SG	81784	11-DEC-2010	14:05:37.347	14:13:47.235	489.88800
BE	81785	11-DEC-2010	14:12:39.858	14:26:04.309	804.45100

MM	81785	11-DEC-2010	15:18:46.300	15:31:25.095	758.79500
GS	81785	11-DEC-2010	14:40:00.386	14:50:53.534	653.14800
BE	81786	11-DEC-2010	15:55:42.730	16:03:16.681	453.95100
MM	81786	11-DEC-2010	16:58:02.561	17:10:34.292	751.73100
GS	81786	11-DEC-2010	16:18:48.908	16:32:36.402	827.49400
MM	81787	11-DEC-2010	18:37:10.575	18:49:46.170	755.59500
GS	81787	11-DEC-2010	17:59:24.526	18:08:44.996	560.47000
JO	81787	11-DEC-2010	19:00:16.447	19:06:30.546	374.09900
MM	81788	11-DEC-2010	20:16:28.409	20:29:12.061	763.65200
MA	81788	11-DEC-2010	19:19:03.594	19:27:39.456	515.86200
JO	81788	11-DEC-2010	20:35:44.774	20:50:43.868	899.09400
HO	81789	11-DEC-2010	21:51:29.031	22:00:32.921	543.89000
MM	81789	11-DEC-2010	21:56:19.663	22:08:54.380	754.71700
MA	81789	11-DEC-2010	20:54:15.178	21:07:57.408	822.23000
JO	81789	11-DEC-2010	22:16:33.862	22:27:23.007	649.14500
HO	81790	11-DEC-2010	23:26:55.040	23:41:11.640	856.60000
MM	81790	11-DEC-2010	23:37:04.389	23:48:51.255	706.86600
MA	81790	11-DEC-2010	22:39:11.061	22:45:05.642	354.58100

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1.5 - List of corrupted products

Station	Orbit	Time
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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK
Polarization Detectors	OK

FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

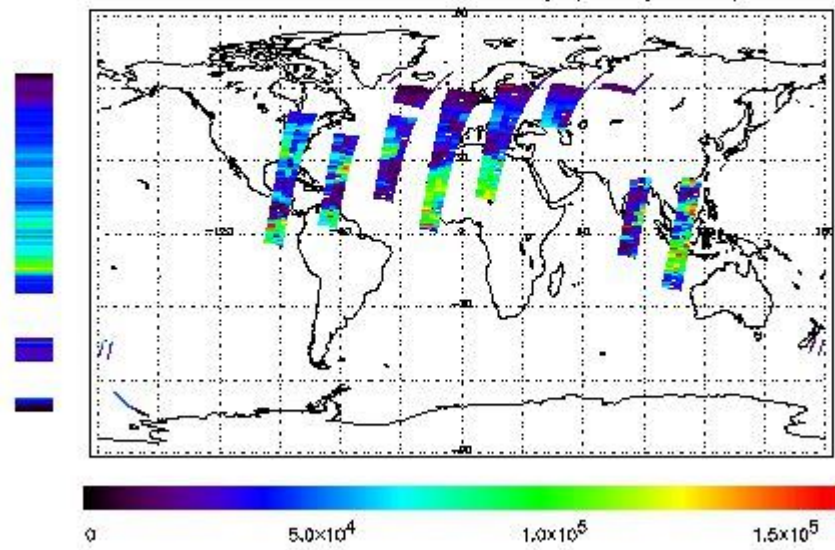
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 11-DEC-2010 00:00:30.575 : ORBIT : 81776.5619
 Last Product : 11-DEC-2010 22:58:43.628 : ORBIT : 81780.2621
 Total Products Processed : 13124 Day : 345 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

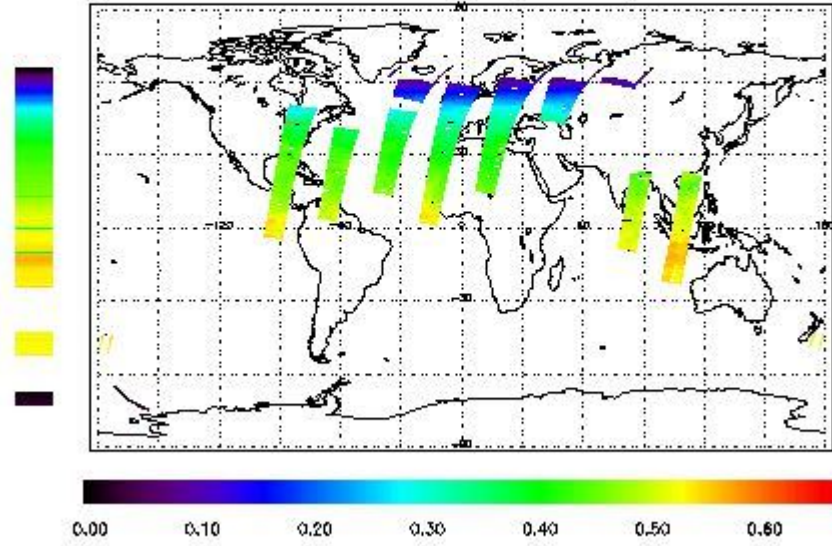


Ozone Line Ratio

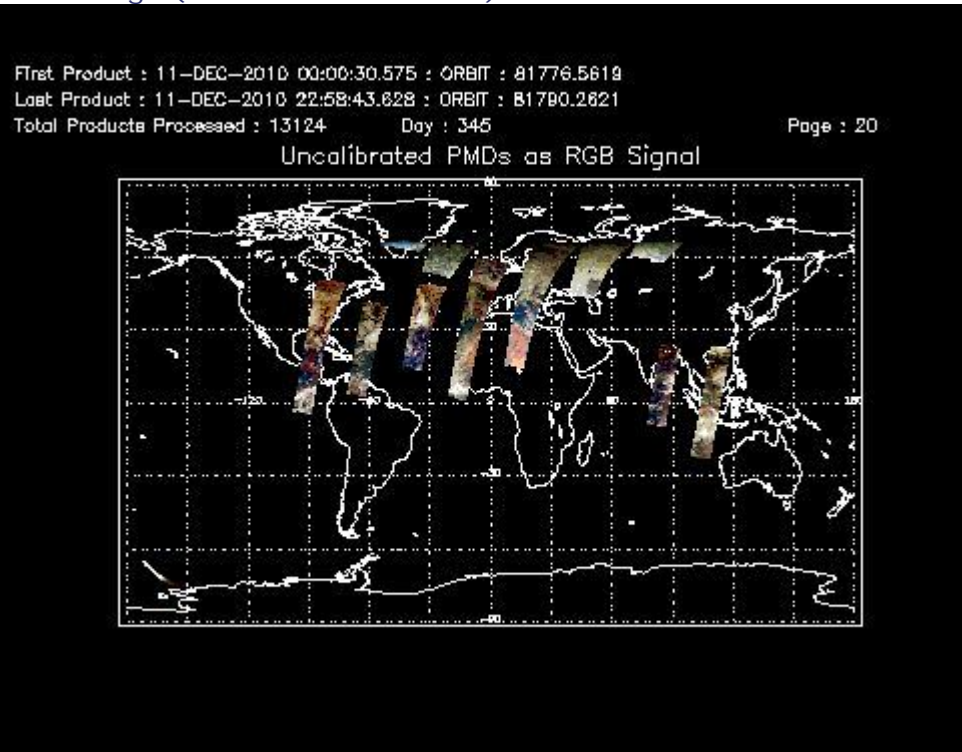
First Product : 11-DEC-2010 00:00:30.575 : ORBIT : 81776.5619
 Last Product : 11-DEC-2010 22:58:43.628 : ORBIT : 81790.2621
 Total Products Processed : 13124 Day : 345

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	11:18:48.285	--	81783	Yes	--	15703

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors